

# CABLE-D37F/4XD15F/20,0M/ETHA - Cable



1119215

<https://www.phoenixcontact.com/us/products/1119215>

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Round cable set; controller: Siemens SIMATIC® ET 200SP HA; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (4x 15-position); cable length: 20 m



## Commercial data

Item number	1119215
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2155
GTIN	4063151048808
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	System cable
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation) -10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m

### Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

#### Supported controller SIEMENS ET 200SP HA

Suitable terminal block	6DL1193-6TP00-0BH1
	6DL1193-6TP00-0DH1
	6DL1193-6TP00-0BM1
	6DL1193-6TP00-0DM1
Suitable I/O module	6DL1131-6BL00-0PH1 (Terminal Block H1/M1)
	6DL1132-6BL00-0PH1 (Terminal Block H1/M1)

### Cable/line

Cable length	20 m
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#### 10X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	10
Shielded	no
Cable type	10X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	10x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.1 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC

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External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Max. bending cycles	5000
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

## color code

D-SUB 37 X1 (1)	D-SUB15 X2 (1) = black
D-SUB 37 X1 (2)	D-SUB15 X2 (2) = brown
D-SUB 37 X1 (3)	D-SUB15 X2 (3) = red
D-SUB 37 X1 (4)	D-SUB15 X2 (4) = orange
D-SUB 37 X1 (5)	D-SUB15 X2 (5) = yellow
D-SUB 37 X1 (6)	D-SUB15 X2 (6) = green
D-SUB 37 X1 (7)	D-SUB15 X2 (7) = blue
D-SUB 37 X1 (8)	D-SUB15 X2 (8) = violet
D-SUB 37 X1 (17)	D-SUB15 X2 (9) = gray
D-SUB 37 X1 (36)	D-SUB15 X2 (10) = white
D-SUB 37 X1 (9)	D-SUB15 X3 (1) = black
D-SUB 37 X1 (10)	D-SUB15 X3 (2) = brown
D-SUB 37 X1 (11)	D-SUB15 X3 (3) = red
D-SUB 37 X1 (12)	D-SUB15 X3 (4) = orange
D-SUB 37 X1 (13)	D-SUB15 X3 (5) = yellow
D-SUB 37 X1 (14)	D-SUB15 X3 (6) = green
D-SUB 37 X1 (15)	D-SUB15 X3 (7) = blue
D-SUB 37 X1 (16)	D-SUB15 X3 (8) = violet
D-SUB 37 X1 (18)	D-SUB15 X3 (9) = gray
D-SUB 37 X1 (37)	D-SUB15 X3 (10) = white
D-SUB 37 X1 (20)	D-SUB15 X4 (1) = black
D-SUB 37 X1 (21)	D-SUB15 X4 (2) = brown
D-SUB 37 X1 (22)	D-SUB15 X4 (3) = red
D-SUB 37 X1 (23)	D-SUB15 X4 (4) = orange
D-SUB 37 X1 (24)	D-SUB15 X4 (5) = yellow
D-SUB 37 X1 (25)	D-SUB15 X4 (6) = green
D-SUB 37 X1 (26)	D-SUB15 X4 (7) = blue
D-SUB 37 X1 (27)	D-SUB15 X4 (8) = violet

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D-SUB 37 X1 (17)	D-SUB15 X4 (9) = gray
D-SUB 37 X1 (36)	D-SUB15 X4 (10) = white
D-SUB 37 X1 (28)	D-SUB15 X5 (1) = black
D-SUB 37 X1 (29)	D-SUB15 X5 (2) = brown
D-SUB 37 X1 (30)	D-SUB15 X5 (3) = red
D-SUB 37 X1 (31)	D-SUB15 X5 (4) = orange
D-SUB 37 X1 (32)	D-SUB15 X5 (5) = yellow
D-SUB 37 X1 (33)	D-SUB15 X5 (6) = green
D-SUB 37 X1 (34)	D-SUB15 X5 (7) = blue
D-SUB 37 X1 (35)	D-SUB15 X5 (8) = violet
D-SUB 37 X1 (18)	D-SUB15 X5 (9) = gray
D-SUB 37 X1 (37)	D-SUB15 X5 (10) = white

## Connection data

### Connection 1

Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
	M2,5
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

### Connection 2

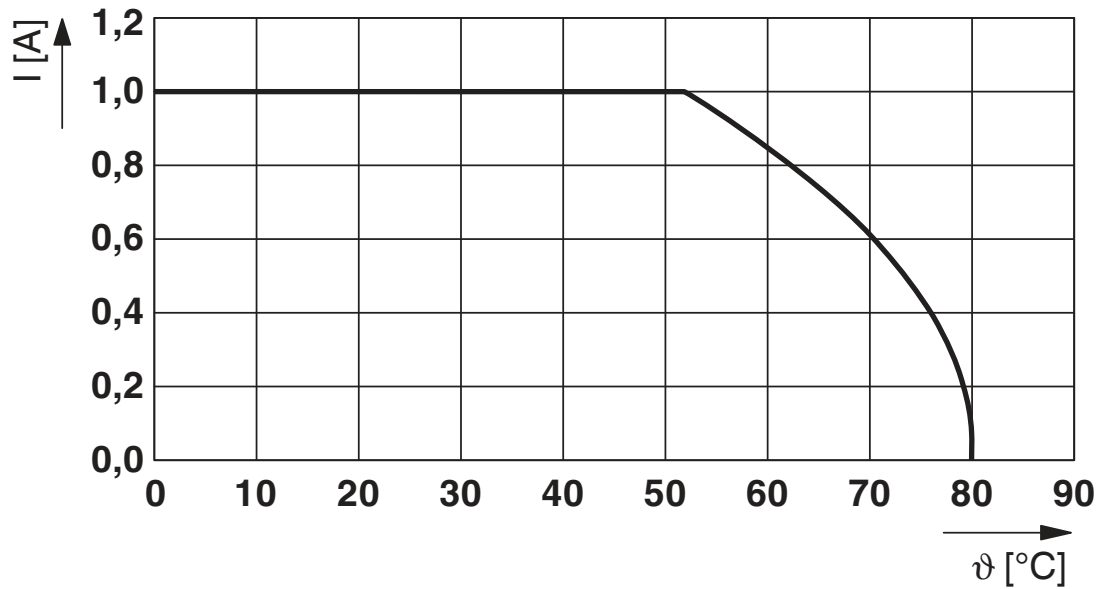
Connection in acc. with standard	IEC 60807-2
	DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
	M2,5
Number of connections	4
Number of positions	15
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.74 mm

## Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed.
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## Drawings

Diagram



Maximum permissible current per path in uncoiled state

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1119215>

 **UL Listed**  
Approval ID: FILE E 238705

 **cUL Listed**  
Approval ID: FILE E 238705

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 8.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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## Accessories

### FLKM-PA-D37/ETHA - Front adapter

1076338

<https://www.phoenixcontact.com/us/products/1076338>



VARIOFACE front adapter for Siemens SIMATIC® ET 200SP HA, with a 37-pos. D-SUB male strip for digital 24 V DC and analog peripheral modules, max. 32 channels can be connected

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### PLC-V8/D15S/OUT - System connection

2296058

<https://www.phoenixcontact.com/us/products/2296058>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of output cards, connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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## PLC-V8L/D15S/OUT - System connection

1104789

<https://www.phoenixcontact.com/us/products/1104789>



V8 adapter for 8 x PLC-INTERFACE (14 mm), connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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## PLC-V8/D15S/IN - System connection

2296074

<https://www.phoenixcontact.com/us/products/2296074>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of input cards, connection 1: D-SUB pin strip 1x 15-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)